L Number	Hits	Search Text	DB	Time stamp
1	7	"6429481"	USPAT;	2004/03/29 10:31
	<u>.</u>		US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
2	93989	360/\$9.ccls.	USPAT;	2004/03/29 10:31
			US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
3	3536	((257/327) or (257/328) or (257/329) or	IBM_TDB USPAT;	2004/03/29 11:18
3	3336	(257/327) Of (237/328) Of (237/329) Of (257/330) or (257/331) or (257/341) or	US-PGPUB	2004/03/23 11:10
		(257/342) or (257/401) or (257/491) or	05 10105	
		(257/492) or (257/493) or (257/335)).CCLS.		
4	0		USPAT;	2004/03/29 11:22
*		(257/330) or (257/331) or (257/341) or	US-PGPUB;	
		(257/342) or (257/401) or (257/491) or	EPO; JPO;	
		(257/492) or (257/493) or	DERWENT;	
		(257/335)).CCLS.) and (trench groove) and	IBM TDB	
		body and "on adj resistance" near6 (reduce		
		reduction reduces decrease decreases		
ļ		decreasing lower lowers lowering smaller		
		"less" improve improvement improves) and		
		power adj2 (element device transistor)		
5	48	(US-5780888-\$ or US-5627390-\$ or	USPAT;	2004/03/29 11:22
		US-6392273-\$ or US-6373097-\$ or	US-PGPUB;	
		US-5439835-\$ or US-5502320-\$ or	EPO; JPO;	
		US-6323508-\$ or US-6323509-\$ or	DERWENT	
		US-6429481-\$ or US-6150688-\$ or		
		US-6069043-\$ or US-6051488-\$ or		
		US-6051468-\$ or US-6015737-\$ or		
		US-5897343-\$ or US-5877538-\$ or		
		US-5776812-\$ or US-5410170-\$ or		
		US-5298442-\$ or US-5021355-\$ or		
		US-4983535-\$ or US-6545315-\$ or		
		US-6521497-\$ or US-6670673-\$ or		
		US-6621132-\$ or US-6198141-\$).did. or		
		(US-6198128-\$ or US-6215140-\$ or		
		US-6221721-\$ or US-6281547-\$).did. or		
1		(US-20030127688-\$ or US-20010031551-\$ or		
		US-20030137015-\$ or US-20030003637-\$).did.		
		or (US-5861649-\$ or EP-550770-\$).did. or (JP-07235672-\$ or JP-09270512-\$ or	İ	
		JP-10150191-\$ or JP-63050071-\$ or		
		JP-06097449-\$).did. or (US-5877528-\$ or		
		US-6111283-\$ or US-6072214-\$ or		
		EP-923137-\$ or US-20010008788-\$ or		
		US-5866931-\$ or US-5410170-\$ or		
		US-5298442-\$).did.		
_	0		USPAT;	2004/03/29 10:13
		and low adj on adj resistance	US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
1			IBM_TDB	
	0	257/\$5.ccls. and breakdown and low adj on	USPAT;	2001/10/01 07:58
		adj resistance	US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
1			IBM_TDB	0004 /50 /54 55 55
] -	321	257/\$5.ccls. and breakdown and low adj2	USPAT;	2001/10/01 07:59
		resistance and latch\$3	US-PGPUB;	
j l			EPO; JPO;	
			DERWENT;	
_	1 5	257/\$5.ccls. and breakdown and low adj2	IBM_TDB USPAT;	2001/10/01 07:59
	10	resistance and latch\$3 and avalanche and	US-PGPUB;	2001/10/01 0/139
		trench	EPO; JPO;	
			DERWENT;	
			IBM TDB	
<u> </u>			12.1 100	<u> </u>

					
_	15	257/\$5.ccls. and breakdown and low adj2	USPAT;	2001/10/01	08:10
		resistance and latch\$3 and avalanche and	US-PGPUB;		
		trench and power	EPO; JPO;		
			DERWENT;		
			IBM_TDB	0001/10/01	00 00
-	0	(257/\$5.ccls. and breakdown and low adj2	USPAT;	2001/10/01	08:00
		resistance and latch\$3 and avalanche and	US-PGPUB;		
		trench and power) and hamada.in.	EPO; JPO;		
			DERWENT;		
			IBM_TDB	0001/10/01	00 25
-	8	257/\$5.ccls. and breakdown and low adj2	USPAT;	2001/10/01	08:35
		resistance and latch\$3 and avalanche and	US-PGPUB;		
		trench and power and igbt	EPO; JPO;		
			DERWENT;		
	,	257/651	IBM_TDB	2001/10/01	00.27
_	3	257/\$5.ccls. and breakdown and low adj2	USPAT;	2001/10/01	00:37
		resistance and latch\$3 and avalanche and	US-PGPUB;		
		trench and power and igbt and rie	EPO; JPO;		
			DERWENT; IBM TDB		
	560		<u> </u>	2001/10/01	12.15
-	562	vertical near4 mosfet.ti.	USPAT; US-PGPUB;	2001/10/01	10.10
			EPO; JPO;		!
			DERWENT;		
			IBM TDB		
_	n	vertical near4 mosfet.ti. and drift adj	USPAT;	2001/10/01	13:15
		drain.ti,ab.	US-PGPUB;	2001/10/01	13.13
		ararii. Cryan.	EPO; JPO;		
			DERWENT;		:
			IBM TDB		
_	0	vertical near4 mosfet.ti. and drift adj2	USPĀT;	2001/10/01	13:15
		drain	US-PGPUB;		
			EPO; JPO;		
			DERWENT;		
			IBM TDB		
_	7	vertical near4 mosfet.ti. and (drift near4	USPAT;	2001/10/01	13:15
		drain)	US-PGPUB;		
			EPO; JPO;		
			DERWENT;		
			IBM_TDB		
-	36	semiconducting adj polymer same	USPĀT;	2001/10/01	16:53
		polyaniline	US-PGPUB;		
			EPO; JPO;		
			DERWENT;		
			IBM_TDB		
-	0	semiconducting adj polymer same	USPAT;	2001/10/01	16:53
		polyaniline and 106/\$5.ccls.	US-PGPUB;		
			EPO; JPO;		
			DERWENT;		
	35.6	(257/220) COTO	IBM_TDB	2002/02/01	12.22
-	356	(257/329).CCLS.	USPAT;	2002/02/01	13:33
			US-PGPUB;		
			EPO; JPO; DERWENT;	: :	
			IBM TDB		
_	568	(257/330).CCLS.	USPAT;	2002/02/01	13.33
-	200	(201/0001.0000.	US-PGPUB;	2002/02/01	10.00
1			EPO; JPO;		
1			DERWENT;		-
			IBM TDB		
_	280	(257/331).CCLS.	USPAT;	2002/02/01	13:33
		, , , _ 	US-PGPUB;	,,,	
			EPO; JPO;		
			DERWENT;		
			IBM TDB		
-	239	(257/332).CCLS.	USPAT;	2002/02/01	13:33
			US-PGPUB;		_
			EPO; JPO;		
			DERWENT;		
			IBM TDB		
				 	

	505	1.057./3.41\ CCT.C	richam.	2002/02/01 13:33
_	525	(257/341).CCLS.	USPAT; US-PGPUB;	2002/02/01 13:33
	,		EPO; JPO;	
			DERWENT;	
			IBM TDB	
_	284	(257/342).CCLS.	USPAT;	2002/02/01 13:33
	204	(237,312,.3323.	US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM TDB	
_	1013	(257/401).CCLS.	USPĀT;	2002/02/01 13:39
			US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
-	79	(257/135).CCLS.	USPAT;	2002/02/01 13:39
			US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
-	124	(257/491).CCLS.	USPAT;	2002/02/01 13:39
			US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
	3.0	(257 (402) CCI C	IBM_TDB	2002/02/01 12.20
_	76	(257/492).CCLS.	USPAT; US-PGPUB;	2002/02/01 13:39
			EPO; JPO;	
			DERWENT;	
			IBM TDB	
_	83	(257/493).CCLS.	USPAT;	2002/02/01 13:39
:		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM TDB	
-	64	(438/212).CCLS.	USPAT;	2002/02/01 13:39
			US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
-	193	(438/259).CCLS.	USPAT;	2002/02/01 13:39
			US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
	1001	(420 (270)	IBM_TDB	2002/02/01 12 12
-	1391	(438/270).CCLS.	USPAT;	2002/02/01 13:40
			US-PGPUB;	
			EPO; JPO;	
	j		DERWENT; IBM TDB	
_	321	(438/271).CCLS.	USPAT;	2002/02/01 13:40
-	341	(430) 2 / 1 / 1 . 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	US-PGPUB;	2002/02/01 13:40
			EPO; JPO;	
	[DERWENT;	
			IBM TDB	
_	231	(438/587).CCLS.	USPAT;	2002/02/01 13:40
		• • • • • • • • • • • • • • • • • • • •	US-PGPUB;	, , , , <u> </u>
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
-	141	(438/588).CCLS.	USPĀT;	2002/02/01 13:40
			US-PGPUB;	
1			EPO; JPO;	
			DERWENT;	
		(420 (500)	IBM_TDB	0000/00/04 40 40
_	205	(438/589).CCLS.	USPAT;	2002/02/01 13:40
1			US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
L	<u>L</u>		IBM TDB	<u> </u>

	0	("L1 or L2 or L3 or L4 or L5 or L6 or L7 or L8 or L9 or L10").PN.	USPAT; US-PGPUB; EPO; JPO;	2002/02/01 13:40
	3400	(("257/401").CCLS.) or (("257/135").CCLS.)	DERWENT; IBM_TDB USPAT;	2003/12/29 15:37
	3400	or (("257/491").CCLS.) or (("257/493").CCLS.)	US-PGPUB; EPO; JPO;	
		or (("438/212").CCLS.) or (("438/259").CCLS.) or (("438/270").CCLS.) or (("438/271").CCLS.)	DERWENT; IBM_TDB	
_	274	(("438/587").CCLS.) ((("257/401").CCLS.) or (("257/135").CCLS.) or (("257/491").CCLS.)	USPAT; US-PGPUB;	2002/02/01 13:53
		or (("257/492").CCLS.) or (("257/493").CCLS.) or (("438/212").CCLS.) or (("438/259").CCLS.) or	EPO; JPO; DERWENT; IBM_TDB	
		(("438/270").CCLS.) or (("438/271").CCLS.) or (("438/587").CCLS.)) and ((groove or trench) near15 insulat\$3 adj2 (layer or		
_	329	(("257/135").CCLS.) or (("257/491").CCLS.)	USPAT; US-PGPUB; EPO; JPO;	2002/02/01 13:54
		or (("257/492").CCLS.) or (("257/493").CCLS.) or (("438/212").CCLS.) or (("438/259").CCLS.) or (("438/271").CCLS.)	DERWENT; IBM_TDB	
	81	(("438/270").CCLS.) or (("438/271").CCLS.) or (("438/587").CCLS.)) and (groove or trench) adj2 gate (((("257/401").CCLS.) or	USPAT;	2002/02/01 13:56
		(("257/401").CCLS.) or (("257/491").CCLS.) or (("257/492").CCLS.) or (("257/493").CCLS.) or (("438/212").CCLS.)	US-PGPUB; EPO; JPO; DERWENT;	2002/02/01 13.30
		or (("438/259").CCLS.) or (("438/271").CCLS.) or (("438/587").CCLS.)) and (groove or	IBM_TDB	
	81	trench) adj2 gate) and base adj2 (region or layer)	USPAT;	2002/02/01 14:31
		(("257/135").CCLS.) or (("257/491").CCLS.) or (("257/492").CCLS.) or (("257/493").CCLS.) or (("438/212").CCLS.)	US-PGPUB; EPO; JPO; DERWENT;	
		or (("438/259").CCLS.) or (("438/271").CCLS.) or (("438/587").CCLS.)) and (groove or trench) adj2 gate) and (n-base or p-base	IBM_TDB	
	24	or p adj base or n adj base or base) adj2 (region or layer)	HCDAM.	2002/02/01 14.39
	24	hamada.in. and trench	USPAT; US-PGPUB; EPO; JPO; DERWENT;	2002/02/01 14:38
-	3071	((trench or groove) near3 gate)	IBM_TDB EPO; JPO; DERWENT; IBM TDB	2002/02/01 14:39
_	629	((trench or groove) near3 gate) and conduct\$5 and semiconduct\$5	EPO; JPO; DERWENT; IBM TDB	2002/02/01 14:40
-	612	((trench or groove) near3 gate) and conduct\$5 and semiconduct\$5.ti,ab.	EPO; JPO; DERWENT; IBM TDB	2002/02/01 14:40
-	598	((trench or groove) near3 gate).ti,ab. and conduct\$5 and semiconduct\$5.ti,ab.	EPO; JPO; DERWENT; IBM TDB	2002/02/01 14:49
-	120	((trench or groove) near3 gate).ti,ab. and conduct\$5 and semiconduct\$5.ti,ab. and connect\$3	EPO; JPO; DERWENT; IBM_TDB	2002/02/01 15:51
-	1	5861649.pn.	USPAT	2002/02/07 11:35
_	1	6118150.pn.	EPO; JPO; DERWENT;	2002/02/01 15:12
			IBM_TDB	

1 118150.m.	-	 		T TI O D D M	0000/00/01 15 10
- 8	-	1		USPAT	2002/02/01 15:12
8	-	3	herzer.in. and trench	EPO; JPO;	2002/02/01 16:47
B ("6163051") or ("6118150") or USFAT US				DERWENT;	
("61672214")).PN. US-PGUBB, EPO. JPO. DERWENT; IBM TIDB				IBM TDB	
("61672214")).PN. US-PGUBS EPO. JPO. DERRENT; EPO. JPO.	<u> </u>	8	(("6163051") or ("6118150") or	USPAT;	2002/02/01 17:24
Common adj source and trench adj gate				US-PGPUB:	
BERMENT; IMM TIDB CO02/02/01 17:25			(00 / 22 / / / 22 / /		
TEM TOB					
3	1			į į	
1 6096608 pn. 1 5648670 pn. 1 562020 pn. 1 56202	1			_	2002/02/01 17:25
- 1 6096608, pn. 1 1 648670, pn. 2 1 6163051, pn. 3 5503320, pn. 3 5503320, pn. 4 ("6221721") or ("6069043") or ("6051488") 5 or ("6051468") or ("60517337") or ("5987343") or ("5072214") or ("50752320") pn. 4 ("6221721") or ("6069043") or ("6051488") 5 or ("4983333") or ("5961649") or ("6051488") 6 or ("6051468") or ("6015737") or ("6051488") 7 or ("6051469") or ("6015737") or ("6051488") 8 or ("6051469") or ("6015737") or ("6051488") 8 or ("6051469") or ("6015737") or ("6051488") 9 or ("6051469") or ("6015737") or ("6051488") 9 or ("6051469") or ("6015737") or ("6051488") 9 or ("5061640") or ("6015737") or ("5072324") or ("5072315") 10 ("common adj source and trench adj gate ("5502320") or ("550240"), PN. 10 ("common adj source and trench adj gate ("5502320") or ("5966304"), PN. 11 ("5502320") or ("5966304"), PN. 12 ("5502320") or ("5966304"), PN. 13 (punchthrough or punch-through) same memory.ti, ab. and dynamic adj random adj access adj memory 14 (punchthrough or punch-through) same memory.ti, ab. and dynamic adj random adj access adj memory 15 (punchthrough or punch-through) same memory.ti, ab. and dynamic adj random adj access adj memory 16 (punchthrough or punch-through) same memory.ti, ab. and dynamic adj random adj access adj memory 17 (punchthrough or punch-through) same memory.ti, ab. and dynamic adj random adj access adj memory 18 (punchthrough or punch-through) same memory.ti, ab. and dynamic adj random adj access adj memory 19 (punchthrough or punch-through) same memory.ti, ab. and dynamic adj random adj access adj memory same memory.ti, ab. and dynamic adj random adj access adj memory same memory.ti, ab. and dynamic adj random adj access adj memory same memory.ti, ab. and dynamic adj random adj access adj memory same memory.ti, ab. and dynamic adj random adj access adj memory same memory.ti, ab. and dynamic adj random adj access adj memory same memory.ti, ab. and dynamic adj random adj access adj memory same memory.ti, ab. and dynamic adj random adj access adj memory same memory.ti, ab. and dynami	 -] 3		USPAT	2002/02/01 17:25
1 5648670.pn. 0SPAT 2002/02/07 11:36 16163051.pn. 0SPAT 0SPAT 0SPAT 2002/02/07 11:40 0SPAT			("6072214")).PN.		
1	_	1	6096608.pn.	USPAT	2002/02/07 11:43
Sociation Soci	_	1	5648670.pn.	USPAT	2002/02/07 11:36
- 3 5502120.pn.	_	1	6163051.pn.	USPAT	2002/02/07 11:43
Second S	_	3	1	USPAT;	2002/02/07 14:00
Second S				<u>-</u>	
Common adj source and trench adj gate Comm				· ·	
18				•	
32				,	
Cr ("6501468") or ("6015737") or ("5989733") or ("5997335") or ("59812") or ("5021355") EPO, JPO; OR ("4983535") or ("5861649") or ("6015737") or ("5502320")). PN.	1		////	<u> </u>	2000/00/05 11 55
("8897343") or ("5076812") or ("5021355") DERWENT;	1] 32		Ī	2002/02/07 14:57
Or ("4983535") or ("5961649") or ("5871528") or ("607214") or ("587328") or ("607214") or ("6051488") or ("6051468") or ("6051468") or ("6051468") or ("6051377") or ("597343") or ("5776812") or ("502135") or ("4983535") or ("59761649") or ("5021355") or ("597328") or ("597328") or ("59762214") or ("502125") or ("502320") or ("5986304")).FN.				US-PGPUB;	
("5507528") or ("6072214") or ("6051488") or ("5502320")).PN. ("621721") or ("6069043") or ("6051488") or ("6051468") or ("6051468") or ("6051468") or ("5021355") or ("4983335") or ("5987612") or ("5021355") or ("4983335") or ("5986304")).PN. (USPAT ("50502320")).PN. ("15002320")).PN. ("15002320") or ("5986304")).PN. (USPAT (US		1	("5897343") or ("5776812") or ("5021355")	EPO; JPO;	
("5507528") or ("6072214") or ("6051488") or ("5502320")).PN. ("621721") or ("6069043") or ("6051488") or ("6051468") or ("6051468") or ("6051468") or ("5021355") or ("4983335") or ("5987612") or ("5021355") or ("4983335") or ("5986304")).PN. (USPAT ("50502320")).PN. ("15002320")).PN. ("15002320") or ("5986304")).PN. (USPAT (US			or ("4983535") or ("5861649") or	DERWENT;	į i
13					
- 13 (("6221721") or ("6069043") or ("6051488") or ("6051488") or ("6051488") or ("6051355") or ("5973481") or ("5976812") or ("59021355") or ("59776812") or ("59021355") or ("59776812") or ("5902320") or ("5986304")).PN 2 (("5502320") or ("5986304")).PN 36 ("6072214") or ("50021355") or ("5986304")).PN 36 ("6072214") or ("5986304")).PN 2 (("5502320") or ("5986304")).PN 3 (("5502320") or ("5986304")).PN 4 (("5502320") or ("5986304")).PN 5 (("5502320") or ("5986304")).PN 5 (("5502320") or ("5986304")).PN 6 (("5502320") or ("5986304")).PN 7 (("5502320") or ("5986304")).PN 8 (("5502320") or ("5986304")).PN 17 (("5002320") or ("5986304")).PN 18 (("5502320") or ("5986304")).PN 17 (("5002320") or ("5986304")).PN 18 (("5502320") or ("5986304")).PN 17 (("5002320") or ("5986304")).PN 18 (("5502320") or ("5986304")).PN 19 (("5002320") or ("5986304")).PN 10 ("5002320") o		1			
or ("6051468") or ("6015737") or ("5897348") or ("5973612") or ("5021355") or ("4983535") or ("5861649") or ("58977528") or ("6072214") or ("5502320") .PN. 2 (("5502320") or ("5986304")).PN. 36 ("5897349") or ("5986304")).PN. 2 (("5502320") or ("5986304")).PN. 3 (("5502320") or ("5986304")).PN. 4 (("5502320") or ("5986304")).PN. 5 (("5502320") or ("5986304")).PN. 5 (("5502320") or ("5986304")).PN. 6 (("5502320") or ("5986304")).PN. 7 (("5502320") or ("5986304")).PN. 8 (("5502320") or ("5986304")).PN. 9 (("5002000") or ("5986304")).PN. 9 (("5002000") or ("5986304")).PN. 9 (("500200") or ("5986304")).	_	12		ייעסטיי	2002/02/07 16:06
("5897343") or ("5776812") or ("5021355") or ("5877528") or ("6981649") or ("5877528") or ("6072214") or ("5986304")).PN.	-	13		OSTAT	2002,02,07 10.00
or ("4983535") or ("5861649") or ("5502320")).PN. 2 (("5502320")).PN. 0 ("common adj source and trench adj gate "Common adj source and trench adj gate "SPAT 2002/02/07 16:07 10 ("common adj source and trench adj gate "SPAT 2002/02/07 16:07 "SPAT USPAT 2002/02/07 16:07 "SPAT 2002/02/07 16:07 "SPAT USPAT 2002/02/07 16:07 "SPAT USPAT "SUPPLIED ON TO THE WAY OF					
- 2 ("5502320") P.P. 2002/02/07 16:07 2002/02/07 16:07 2002/02/07 16:07 2002/02/07 16:07 2002/02/07 16:07 2002/02/07 16:07 2002/02/07 16:07 2002/02/07 16:07 2002/02/07 16:07 2002/02/07 16:07 2002/02/07 16:07 2002/02/07 16:07 2002/02/07 16:07 2002/02/07 16:08 2002/02/07 16:07 2002/02/07 2002/02/02/07 2002/02/02/02/02/02/02/02/02/02/02/02/02					
- 2 ("5502320"), P.N. ("5986304")).PN. USPAT 2002/02/07 16:07 0 ("common adj source and trench adj gate 0 USPAT 2002/02/07 16:07 2002/02/07 16:07 2002/02/07 16:07 2002/02/07 16:07 2002/02/07 16:07 2002/02/07 16:07 2002/02/07 16:07 2002/02/07 16:07 2002/02/07 16:08 2002/02/07 2002/02/07 16:08 2002/02/07 2002/02/07 16:08 2002/02/07 2002/02/02/07 2002/02/02/02/02/02/02/02/02/02/02/02/02			or ("4983535") or ("5861649") or		
- 2 ("5502320") or ("5986304")).PN. ("common adj source and trench adj gate").FN. 2002/02/07 16:07 2002/02/07 2002/05/20 15:13 2002/05/20 15:1			("5877528") or ("6072214") or		
- 0 ("common adj source and trench adj gate "Common adj source and trench adj gate "SPAT 2002/02/07 16:07 gate").PN. common adj source and trench adj gate USPAT 2002/02/07 16:08 EPG; JPG; DERWENT; TEM TDB USPAT; DSPC; DSPC			("5502320")).PN.		
- 0 ("common adj source and trench adj gate "Common adj source and trench adj gate "SPAT 2002/02/07 16:07 gate").PN. common adj source and trench adj gate USPAT 2002/02/07 16:08 EPG; JPG; DERWENT; TEM TDB USPAT; DSPC; DSPC	<u></u>	2		USPAT	2002/02/07 16:07
- 36 common adj source and trench adj gate (""5502320") or ("5986304")).PN. (""5502320") or ("5986304")).PN. (punchthrough or punch-through) same memory.ti,ab. (punchthrough or punch-through) same memory.ti,ab. and dynamic adj random adj access adj memory (punchthrough or punch-through) same memory.ti. and dynamic adj random adj access adj memory (punchthrough or punch-through) same memory.ti. and dynamic adj random adj access adj memory (punchthrough or punch-through) same memory.ti. and dynamic adj random adj access adj memory (punchthrough or punch-through) same memory.ti. and dynamic adj random adj access adj memory (punchthrough or punch-through) same memory.ti. and dynamic adj random adj access adj memory (punchthrough or punch-through) same memory.ti. and dynamic adj random adj uspēd; US-PGPUB, EPO; JPO; DERWENT; IBM TDB USPĀT; USPĀ	<u>-</u>	•			
- 36 common adj source and trench adj gate SPAT; US-PGPUB; EPC; JPC; DERWENT; IBM TDB - 225 (qunchthrough or punch-through) same memory.ti,ab. (punchthrough or punch-through) same memory.ti,ab. (qunchthrough or punch-through) same memory.ti, ab. (qunchthrough or punch-through) same memory.ti, ab. (qunchthrough or punch-through) same memory.ti, and dynamic adj random adj access adj memory (qunchthrough or punch-through) same memory.ti, and dynamic adj random adj access adj memory (qunchthrough or punch-through) same memory.ti, and dynamic adj random adj access adj memory (qunchthrough or punch-through) same memory.ti, and dynamic adj random adj uspaT; (qunchthrough or punch-through) same memory.ti, and dynamic adj random adj uspaT; (qunchthrough or punch-through) same memory.ti, and dynamic adj random adj uspaT; (qunchthrough or punch-through) same memory.ti, and dynamic adj random adj uspaT; (qunchthrough or punch-through) same (qunchthrough or punch-through (qunchthrough) same (qunchthrough or punch-through (qunchthrough or punch-through) same (qunchthrough or punch-through) same (qunchthrough or punch-through) same (qunchthrough or punch-through or punchthrough (qunchthrough or punch-through) same (qunchthrough or punchthrough or punchthrough or punchthrough or punchthrough (qunchthrough or punchthrough) same (qunchthrough or punchthrough) same (qunchthrough or punchthrough) same			· · · · · · · · · ·		2002,02,01 10.01
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- 2 (("5502320") or ("5986304")).PN. - 225 (punchthrough or punch-through) same memory.ti,ab. - 17 (punchthrough or punch-through) same memory.ti,ab. and dynamic adj random adj access adj memory - 2 (punchthrough or punch-through) same memory.ti, ab. and dynamic adj random adj access adj memory - 2 (punchthrough or punch-through) same memory.ti. and dynamic adj random adj access adj memory - 3 (punchthrough or punch-through) same memory.ti. and dynamic adj random adj access adj memory - 3 663340.ap. - 3 663340.ap. - 1 body adj (bias or biasing).ti,ab. and Mos.ti,ab. - 1 1 body adj (bias or biasing).ti,ab. and Mos.ti,ab. - 1 1 268 ((257/329) or (257/330) or (257/331) or (257/331) or (257/332)).CCLS. - 1 268 ((257/332)).CCLS.		1	common adj source and cremen adj gace		2002/02/0/ 10:00
- 2 (("5502320") or ("5986304")).PN. 225 (punchthrough or punch-through) same memory.ti,ab. - 17 (punchthrough or punch-through) same memory.ti,ab. and dynamic adj random adj access adj memory - 2 (punchthrough or punch-through) same memory.ti, ab. and dynamic adj random adj access adj memory - 2 (punchthrough or punch-through) same memory.ti, and dynamic adj random adj access adj memory - 3 663340.ap. - 11 body adj (bias or biasing).ti,ab. and MOS.ti,ab. - 1268 ((257/329) or (257/330) or (257/331) or (257/331) or (257/332)).CCLS. - 1268 ((257/332)).CCLS.					
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- 2 (("5502320") or ("5986304")).PN. USPĀT USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPĀT; US-PGPUB; access adj memory - 2 (punchthrough or punch-through) same memory.ti.ab. and dynamic adj random adj access adj memory - 2 (punchthrough or punch-through) same memory.ti. and dynamic adj random adj access adj memory - 3 (punchthrough or punch-through) same memory.ti. and dynamic adj random adj access adj memory - 3 (punchthrough or punch-through) same memory.ti. and dynamic adj random adj access adj memory - 4 (punchthrough or punch-through) same memory.ti. and dynamic adj random adj uspĀT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM T				Ī	
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memory.ti,ab.	-			USPAT	
EPO; JPO; DERWENT; IBM TDB USPĀT; US-PGPUB; access adj memory [-	225	(punchthrough or punch-through) same	USPAT;	2002/05/20 15:13
DERWENT; IBM TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT;			memory.ti,ab.	US-PGPUB;	
DERWENT; IBM TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT;		1		EPO; JPO;	
- 17 (punchthrough or punch-through) same memory.ti,ab. and dynamic adj random adj access adj memory - 2 (punchthrough or punch-through) same memory.ti. and dynamic adj random adj access adj memory - 2 (punchthrough or punch-through) same memory.ti. and dynamic adj random adj access adj memory - 3 663340.ap. - 3 663340.ap. - 11 body adj (bias or biasing).ti,ab. and MOS.ti,ab. - 1268 ((257/329) or (257/330) or (257/331) or (257/331) or (257/332)).CCLS. - 1268 ((257/329) or (257/330) or (257/331) or (257/331) or (257/332)).CCLS.		-			
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access adj memory EPO; JPO; DERWENT; IBM TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; US-PGPUB; US-PGPUB; US-PGPUB; US-PGPUB; US-PGPUB; US-PGPUB; US-PGPUB		''		1	= 002,00,01 10.20
DERWENT; IBM_TDB USPAT; US-PGPUB; EFO, JPO; DERWENT; IBM_TDB US-PGPUB; EFO, JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EFO, JPO; DERWENT; DERWENT; DERWENT; US-PGPUB; EFO, JPO; DERWENT;		1		·	
- 2 (punchthrough or punch-through) same memory.ti. and dynamic adj random adj access adj memory - 3 663340.ap. - 3 663340.ap. - 11 body adj (bias or biasing).ti,ab. and MOS.ti,ab. - 1268 ((257/329) or (257/330) or (257/331) or (257/331) or (257/332)).CCLS. IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;			access adj memory		
- 2 (punchthrough or punch-through) same memory.ti. and dynamic adj random adj us-pgpuB; EPO; JPO; DERWENT; IBM_TDB US-pgpuB; EPO; JPO; DERWENT; US-pgpuB; EPO; JPO; DERWENT; US-pgpuB; EPO; JPO; DERWENT;				, ·	
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access adj memory BPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT;	-	2		USPAT;	2002/08/31 15:21
access adj memory EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT;			memory.ti. and dynamic adj random adj	US-PGPUB;	
DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT;				1] 1
- 3 663340.ap. IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JP					
- 3 663340.ap. USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT;		}	•		<u> </u>
US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT;	<u>_</u>	2	663340 an		2002/08/31 15.36
EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT;	-		000040.ap.	<u>-</u>	2002/00/31 13.30
DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; USPAT; US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT;	1			· ·	
- 11 body adj (bias or biasing).ti,ab. and body adj (bias or biasing).ti,ab. and MOS.ti,ab. - 1268 ((257/329) or (257/330) or (257/331) or (257/331) or (257/332)).CCLS. IBM_TDB USPAT; IBM_TDB USPAT;					
- 11 body adj (bias or biasing).ti,ab. and MOS.ti,ab. - 1268 ((257/329) or (257/330) or (257/331) or (257/332)).CCLS. 10		1			
MOS.ti,ab. 1268 ((257/329) or (257/330) or (257/331) or (257/332)).CCLS. US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;				IBM_TDB	
- 1268 ((257/329) or (257/330) or (257/331) or (257/331) or (257/332)).CCLS. EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT;	-	11	body adj (bias or biasing).ti,ab. and	USPAT;	2002/08/31 16:28
- 1268 ((257/329) or (257/330) or (257/331) or USPAT; US-PGPUB; EPO; JPO; DERWENT; DERWENT; DERWENT; DERWENT; DERWENT; DERWENT;		1	MOS.ti,ab.	US-PGPUB;	
DERWENT; IBM_TDB USPAT; (257/332)).CCLS. US-PGPUB; EPO; JPO; DERWENT;		1			
- 1268 ((257/329) or (257/330) or (257/331) or USPAT; 2002/08/31 16:29 (257/332)).CCLS. US-PGPUB; EPO; JPO; DERWENT;					Į
- 1268 ((257/329) or (257/330) or (257/331) or USPAT; 2002/08/31 16:29 (257/332)).CCLS. US-PGPUB; EPO; JPO; DERWENT;				l '	
(257/332)).CCLS. US-PGPUB; EPO; JPO; DERWENT;	_	1260	11257/329) 05 1257/330) 05 1257/321) 05	-	2002/09/31 16.20
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	800	((257/341) or (257/342)).CCLS.	USPAT;	2002/08/31 16:29
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	1173	((257/401) or (257/135)).CCLS.	USPAT;	2002/08/31 16:29
			US-PGPUB;	
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			DERWENT; IBM TDB	
	260	((257/491) or (257/492) or	USPAT;	2002/08/31 16:30
-	200	((257/491) Of (257/492) Of (257/493)).CCLS.	US-PGPUB;	2002/00/31 10:30
		(257/495)).0015.	EPO; JPO;	
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<u> </u>	325	((438/212) or (438/259)).CCLS.	USPAT;	2002/08/31 16:30
-]	((450/212) OI (450/255)).CCID.	US-PGPUB;	2002,00,31 10.30
			EPO; JPO;	
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	2203	((438/270) or (438/271) or (438/587) or	USPAT;	2002/08/31 16:31
-	2283	(438/588) or (438/589)).CCLS.	US-PGPUB;	2002/00/31 10.31
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			EPO; JPO; DERWENT;	
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		(257/332)).CCLS.) or (((257/341) or (257/342)).CCLS.) or (((257/401) or	EPO; JPO;	
		(257/342)).CCLS.) or (((257/401) or (257/135)).CCLS.) or (((257/491) or	DERWENT;	
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		(((438/212) or (438/259)).CCLS.) or		
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-			US-PGPUB;	2002/08/31 10.32
		(257/332)).CCLS.) or (((257/341) or	EPO; JPO;	
		(257/342)).CCLS.) or (((257/401) or (257/135)).CCLS.) or (((257/491) or	DERWENT;	
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		(257/342)).CCLS.) or (((257/401) or	EPO; JPO;	1
		(257/135)).CCLS.) or (((257/491) or	DERWENT;	
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1		US-5897343-\$ or US-6221721-\$ or	DERWENT	
		US-6198128-\$ or US-6150688-\$ or		
		US-6069043-\$ or US-5776812-\$ or		
		US-5021355-\$ or US-4983535-\$ or		
		US-6051488-\$ or US-5627390-\$ or		
		US-5780888-\$).did. or (EP-550770-\$ or		
		US-5861649-\$).did. or (JP-06097449-\$).did.		
		or (US-6111283-\$ or US-5877528-\$ or		
]]	US-6072214-\$).did.		
_	51		USPAT;	2002/12/12 20:05
			US-PGPUB;	
			EPO; JPO;	
1			DERWENT;	
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-	7	power adj (dmos or dmosfet).ti,ab,clm. and (groove or trench)	USPAT; US-PGPUB;	2002/12/12 20:25
		(groove or crench)	EPO; JPO;	
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			IBM_TDB	
_	500	(257/330).CCLS.	USPAT;	2002/12/12 20:27
	507	(257/341).CCLS.	US-PGPUB USPAT;	2002/12/12 20:27
-	307	(237/341/.0013.	US-PGPUB	2002/12/12 20:2/
_	40	((257/330).CCLS.) and ((257/341).CCLS.)	USPAT;	2002/12/12 20:27
			US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
_	799	257/329	IBM_TDB USPAT;	2002/12/13 09:33
		23.7323	US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
	1160	257/220	IBM_TDB	2002/12/13 09:33
_	1162	257/330	USPAT; US-PGPUB;	2002/12/13 09:33
			EPO; JPO;	
			DERWENT;	
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_	600	257/331	USPAT;	2002/12/13 09:34
			US-PGPUB; EPO; JPO;	
			DERWENT;	
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_	531	257/332	USPAT;	2002/12/13 09:34
			US-PGPUB;	
			EPO; JPO; DERWENT;	
			IBM TDB	
_	344	257/334	USPĀT;	2002/12/13 09:34
			US-PGPUB;	
			EPO; JPO;	
			DERWENT; IBM TDB	
_	1015	257/335 ·	USPAT;	2002/12/13 09:34
			US-PGPUB;	
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_	1287	257/336	IBM_TDB USPAT;	2002/12/13 09:34
	120,	2017333	US-PGPUB;	2002/12/13 03/31
			EPO; JPO;	
			DERWENT;	
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		or 257/334 or 257/335 or 257/336	US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
	244	/257/220 am 257/220 am 257/221 am 257/220	<pre>IBM_TDB USPAT;</pre>	2002/12/13 11:15
-	244	(257/329 or 257/330 or 257/331 or 257/332 or 257/334 or 257/335 or 257/336) and body	US-PGPUB;	2002/12/13 11:13
		adj (contact or tie or bias)	EPO; JPO;	
		_	DERWENT;	
		/HC400401H}	IBM_TDB	2000/10/10
-	2	("6429481").PN.	USPAT; US-PGPUB;	2002/12/13 11:15
			EPO; JPO;	
			DERWENT;	
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-	2	("6429481").PN.	USPAT;	2003/09/12 11:24
1			US-PGPUB; EPO; JPO;	
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-	821	insulated adj gate adj bipolar adj	USPAT;	2003/09/12 11:25
		transistor.ti.	US-PGPUB; EPO; JPO;	
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	152	inquisted add gate add binglar add	USPAT;	2003/09/12 11:25
-	153	insulated adj gate adj bipolar adj transistor.ti. and 257/\$9.ccls.	US-PGPUB;	2003/03/12 11:23
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			DERWENT;	
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_	,	("6429481").PN.	USPAT	2003/12/29 13:59
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	2,740	(257/331) or (257/341) or (257/342) or	US-PGPUB	2003, 12, 23 13110
		(257/401) or (257/491) or (257/492) or		
		(257/493)).CCLS.		
_	71		USPAT;	2003/12/29 15:41
	, =	(257/331) or (257/341) or (257/342) or	US-PGPUB;	
		(257/401) or (257/491) or (257/492) or	EPO; JPO;	
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		groove).ti,ab,clm. and (dmos	IBM TDB	
		dmosfet).ti,ab,clm.		
-	152	(trench groove).ti,ab,clm. and (dmos	EPO; JPO;	2003/12/29 15:41
		dmosfet).ti,ab,clm.	DERWENT;	
			IBM TDB	
_	152	((((257/328) or (257/329) or (257/330) or	EPO; JPO;	2003/12/29 20:30
		(257/331) or (257/341) or (257/342) or	DERWENT;]
		(257/401) or (257/491) or (257/492) or	IBM TDB	j
		(257/493)).CCLS.) and (trench	_	
		groove).ti,ab,clm. and (dmos]
		dmosfet).ti,ab,clm.) ((trench		l i
		groove).ti,ab,clm. and (dmos		
		dmosfet).ti,ab,clm.)		
-	223	((((257/328) or (257/329) or (257/330) or	USPAT;	2003/12/29 20:32
		(257/331) or (257/341) or (257/342) or	US-PGPUB;	
		(257/401) or (257/491) or (257/492) or	EPO; JPO;	
		(257/493)).CCLS.) and (trench	DERWENT;	
		groove).ti,ab,clm. and (dmos	IBM_TDB	
		dmosfet).ti,ab,clm.) ((trench		
		groove).ti,ab,clm. and (dmos		
		dmosfet).ti,ab,clm.)	IIODAM -	2002/10/00 16 45
-	8	(US-6545315-\$ or US-5410170-\$).did. or	USPAT;	2003/12/29 16:47
		(US-5866931-\$ or US-5877528-\$ or	DERWENT	
		EP-923137-\$ or US-20010008788-\$ or		
<u> </u>	150	US-5298442-\$ or US-5410170-\$).did.	EDO. TDO.	2002/12/20 20.21
-	152		EPO; JPO; DERWENT;	2003/12/29 20:31
		(257/330) or (257/331) or (257/341) or	IBM TDB	
		(257/342) or (257/401) or (257/491) or (257/492) or (257/493)).CCLS.) and (trench	TDIJ TDD	
1	1	groove).ti,ab,clm. and (dmos		
		dmosfet).ti,ab,clm.) ((trench		
		groove).ti,ab,clm. and (dmos		
1		dmosfet).ti,ab,clm.)		
_	289		USPAT;	2003/12/29 20:49
ŀ		(257/330) or (257/331) or (257/341) or	US-PGPUB;	
		(257/342) or (257/401) or (257/491) or	EPO; JPO;	
		(257/492) or (257/493)).CCLS.) and (trench	DERWENT;	
	1	groove).ti,ab,clm. and (dmos	IBM TDB	
		dmosfet).ti,ab,clm.) ((trench		
		groove).ti,ab,clm. and (dmos		
	1	dmosfet).ti,ab,clm.)		

_	223 (US-5723891-\$ or US-5665996-\$ or	USPAT;	2003/12/29 20:
	US-5640034-\$ or US-5629543-\$ or	US-PGPUB;	2000, 12, 23
	US-5468982-\$ or US-5430324-\$ or	EPO; JPO;	
	US-5410170-\$ or US-5341011-\$ or	DERWENT;	
	US-5316959-\$ or US-5298442-\$ or	IBM TDB	
	US-5072266-\$ or US-5034785-\$ or	_	
	US-4893160-\$ or US-4767722-\$ or		
	US-4561168-\$ or US-6624494-\$ or		
	US-6621107-\$ or US-6576952-\$ or		
	US-6548860-\$ or US-6545315-\$ or		
	US-6534825-\$ or US-6518621-\$ or		
	US-6518127-\$ or US-6512267-\$ or		
	US-6489652-\$ or US-6445037-\$).did. or		
	(US-6432775-\$ or US-6413822-\$ or		
	US-6396090-\$ or US-6376315-\$ or		
	US-6281547-\$ or US-6262453-\$ or		
	US-6239466-\$ or US-6239463-\$ or		
	US-6188104-\$ or US-6172398-\$ or		
	US-6150693-\$ or US-6107661-\$ or		
	US-5986304-\$ or US-5981999-\$ or		
		t.	
	US-5973361-\$ or US-5929481-\$ or		
	US-5910669-\$ or US-5877528-\$ or		
	US-5866931-\$ or US-5821583-\$ or		
	US-5808340-\$ or US-5770878-\$ or		
	US-5763915-\$ or US-5747851-\$ or		
	US-6657256-\$ or US-6657255-\$ or		
	US-6649477-\$).did. or (US-6627950-\$).did		
	or (US-20030040144-\$ or US-20030001199-\$		
	or US-20020195657-\$ or US-20020175367-\$ or US-20020175367-\$	or	
	US-20030173619-\$ or US-20030168696-\$ or		
	US-20030122189-\$ or US-20030122188-\$ or		
	US-20020140027-\$ or US-20020125527-\$ or		
	US-20020093048-\$ or US-20020030224-\$ or		
	US-20020019099-\$ or US-20020008281-\$ or		
	US-20010028085-\$ or US-20010023961-\$ or		
	US-20010003367-\$).did. or (EP-580452-\$ or		
	EP-580213-\$ or EP-342952-\$ or WO-3038863	-\$	
	or EP-1191603-\$ or WO-9912213-\$ or		
	DE-19742181-\$ or WO-9804004-\$ or		
	WO-9742663-\$ or WO-9733320-\$ or		
	WO-9707548-\$ or WO-9635231-\$ or		
	EP-583023-\$).did. or (JP-2003158268-\$ or		
	JP-2003060205-\$ or JP-2003060204-\$ or		
	JP-2002217426-\$ or JP-2002043570-\$ or		
	JP-11026605-\$ or JP-10294463-\$ or		
	JP-08298321-\$ or JP-08097411-\$ or		
	JP-06334184-\$ or JP-06151845-\$ or		
	JP-06151740-\$ or JP-03035534-\$ or		
	JP-02249277-\$ or JP-02249276-\$ or		
	JP-02150057-\$ or JP-63281468-\$).did. or		
	(US-5929481-\$ or US-5668026-\$ or		
	US-5821583-\$ or KR-97030508-\$ or		
	TW-308735-\$ or JP-09148578-\$ or		
	JP-09097907-\$ or WO-9707548-\$ or		
	US-5629543-\$ or TW-297929-\$ or		
	US-5665619-\$ or US-5567634-\$ or		
	EP-721211-\$ or US-5474943-\$ or		
	US-5410170-\$ or EP-616372-\$ or		1
	JP-06151740-\$ or US-5298442-\$ or	.	1
	EP-583023-\$ or EP-580452-\$ or EP-580213-\$	\$	}
	or US-5268326-\$ or US-5156993-\$ or		}
	US-5034785-\$ or US-4983535-\$ or		
	EP-398468-\$).did. or (RD-314077-\$ or		
	US-4914058-\$ or DE-3916707-\$ or		
	US-4893160-\$ or EP-342952-\$ or EP-328331-	-\$	
	or RD-300060-\$ or RD-297008-\$ or	_	
	EP-255973-\$ or EP-238749-\$ or EP-227894-\$	\$	
İ	or EP-209949-\$ or US-4561168-\$ or		
	US-4119996-\$ or US-20020013029-\$ or		
	US-20020008281-\$ or EP-1172848-\$ or		
	US-20020061623-\$ or US-6303410-\$ or		
	US-6376315-\$ or US-20010023961-\$ or		
Search His	tory 3/200165607 s or US-6312993-\$ or US-6281547-\$ or		
	A = 1000/415 - 5 or $US - 6281547 - 5$ or $A = 1000/415 - 5$ or $US - 20010003367 - 5$). did. or	_	
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-	66	(((((257/328) or (257/335) or (257/329) or	USPAT;	2003/12/29 20:32
1		(257/330) or (257/331) or (257/341) or	US-PGPUB;	
1	1	(257/342) or (257/401) or (257/491) or	EPO; JPO;	
1	1	(257/492) or (257/493)).CCLS.) and (trench	DERWENT;	
1	1	groove).ti,ab,clm. and (dmos	IBM_TDB	
1	1	dmosfet).ti,ab,clm.) ((trench	1	
		groove).ti,ab,clm. and (dmos	<u> </u>	
1	1	dmosfet).ti,ab,clm.)) not ((US-5723891-\$	1	
	1	or US-5665996-\$ or US-5640034-\$ or	1	
	1	US-5629543-\$ or US-5468982-\$ or	1	
1	1	US-5430324-\$ or US-5410170-\$ or	1	
		US-5341011-\$ or US-5316959-\$ or	1	
1	1	US-5298442-\$ or US-5072266-\$ or	1	
	1	US-5034785-\$ or US-4893160-\$ or US-4767722-\$ or US-4561168-\$ or	1	
1	1	US-4767722-\$ or US-4561168-\$ or US-6624494-\$ or US-6621107-\$ or		
		US-6624494-\$ or US-6621107-\$ or US-6576952-\$ or US-6548860-\$ or	1	
		US-65/6952-\$ or US-6548860-\$ or US-6545315-\$ or US-6534825-\$ or	1	
		US-6518621-\$ or US-6518127-\$ or	1	Į
		US-6512267-\$ or US-6489652-\$ or	1	
		US-6445037-\$).did. or (US-6432775-\$ or	1	
		US-6413822-\$ or US-6396090-\$ or	1	Į l
		US-6376315-\$ or US-6281547-\$ or	1	
		US-6262453-\$ or US-6239466-\$ or	1	
		US-6239463-\$ or US-6188104-\$ or	1	
		US-6172398-\$ or US-6150693-\$ or	1	
	1	US-6107661-\$ or US-5986304-\$ or	1	
		US-5981999-\$ or US-5973361-\$ or	1	
		US-5929481-\$ or US-5910669-\$ or	<u> </u>	
		US-5877528-\$ or US-5866931-\$ or	1	
		US-5821583-\$ or US-5808340-\$ or	1	Į l
		US-5770878-\$ or US-5763915-\$ or	1	Į l
		US-5747851-\$ or US-6657256-\$ or	1	Į l
		US-6657255-\$ or US-6649477-\$).did. or	1	Į Š
		(US-6627950-\$).did. or (US-20030040144-\$	1	Į l
		or US-20030001199-\$ or US-20020195657-\$ or	1	Į l
		US-20020175367-\$ or US-20030173619-\$ or	1	1
		US-20030168696-\$ or US-20030122189-\$ or	1	
		US-20030122188-\$ or US-20020140027-\$ or	1	
		US-20020125527-\$ or US-20020093048-\$ or	1	
		US-20020030224-\$ or US-20020019099-\$ or	ļ	
1		US-20020008281-\$ or US-20010028085-\$ or	Į i	1
		US-20010023961-\$ or US-20010003367-\$).did.	<u> </u>	•
	1	or (EP-580452-\$ or EP-580213-\$ or EP-342952-\$ or WO-3038863-\$ or	<u> </u>	
		EP-342952-\$ or WO-3038863-\$ or EP-1191603-\$ or WO-9912213-\$ or	[
	1	EP-1191603-\$ or WO-9912213-\$ or DE-19742181-\$ or WO-9804004-\$ or	1	
1		DE-19742181-\$ or WO-9804004-\$ or WO-9742663-\$ or WO-9733320-\$ or	1	
1		WO-9742663-\$ or WO-9733320-\$ or WO-9707548-\$ or WO-9635231-\$ or	1	
		WO-9707548-\$ or WO-9635231-\$ or EP-583023-\$).did. or (JP-2003158268-\$ or	1	l l
		JP-2003060205-\$ or JP-2003060204-\$ or	1	
		JP-2003060205-\$ or JP-2003060204-\$ or JP-2002043570-\$ or	1	
		JP-200221/426-\$ or JP-20020435/0-\$ or JP-11026605-\$ or JP-10294463-\$ or	1	
		JP-11026605-\$ or JP-10294463-\$ or JP-08298321-\$ or JP-08097411-\$ or	1	
		JP-08298321-\$ or JP-08097411-\$ or JP-06334184-\$ or JP-06151845-\$ or	1	
}		JP-06151740-\$ or JP-03035534-\$ or	1	
]		JP-02249277-\$ or JP-02249276-\$ or	ļ i	
		JP-02150057-\$ or JP-63281468-\$).did. or	1	
	1	(US-5929481-\$ or US-5668026-\$ or	1	
		US-5821583-\$ or KR-97030508-\$ or	1	
		TW-308735-\$ or JP-09148578-\$ or	1	
		JP-09097907-\$ or WO-9707548-\$ or	1	
		US-5629543-\$ or TW-297929-\$ or	1	
1		US-5665619-\$ or US-5567634-\$ or	1	
1		EP-721211-\$ or US-5474943-\$ or	1	1
		US-5410170-\$ or EP-616372-\$ or	1	
1		JP-06151740-\$ or US-5298442-\$ or	1	1
		EP-583023-\$ or EP-580452-\$ or EP-580213-\$	1	Į l
1		or US-5268326-\$ or US-5156993-\$ or	1	
1		US-5034785-\$ or US-4983535-\$ or	1	
		EP-398468-\$).did. or (RD-314077-\$ or	1	
		US-4914058-\$ or DE-3916707-\$ or		
Search His	tory 3	JIS-4893160-\$ or EP-342952 \$ or EP-328331-\$ or RD-300060-\$ or RD-297008-\$ or		
l t	A\0966334	6r RD-300060-\$ 6r RD-29/008-\$ or EP-238749-\$ or EP-227894-\$	1	1
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_	3	663340.ap.	USPAT;	2003/12/29 20:42
1			US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
-	289	((((257/327) or (257/335) or	USPAT;	2003/12/29 20:50
		(257/493)).CCLS.) and (trench	US-PGPUB;	
		groove).ti,ab,clm. and (dmos	EPO; JPO;	
		dmosfet).ti,ab,clm.) ((trench	DERWENT;	
		groove).ti,ab,clm. and (dmos	IBM_TDB	
		<pre>dmosfet).ti,ab,clm.)</pre>		

	66 (((((257/327) or (257/335) or	USPAT;	2003/12/29 21:00
	groove).ti,ab,clm. and (dmos	US-PGPUB; EPO; JPO;	
	dmosfet).ti,ab,clm.) ((trench	DERWENT;	
	groove).ti,ab,clm. and (dmos	IBM_TDB	
	dmosfet).ti,ab,clm.)) not ((US-5723891-\$	1 -	
	or US-5665996-\$ or US-5640034-\$ or		
	US-5629543-\$ or US-5468982-\$ or		
	US-5430324-\$ or US-5410170-\$ or		
	US-5341011-\$ or US-5316959-\$ or US-5298442-\$ or US-5072266-\$ or		
	US-5034785-\$ or US-4893160-\$ or		
	US-4767722-\$ or US-4561168-\$ or		
	US-6624494-\$ or US-6621107-\$ or		
	US-6576952-\$ or US-6548860-\$ or		
	US-6545315-\$ or US-6534825-\$ or		
	US-6518621-\$ or US-6518127-\$ or		
	US-6512267-\$ or US-6489652-\$ or		
	US-6445037-\$).did. or (US-6432775-\$ or US-6413822-\$ or US-6396090-\$ or		
	US-6376315-\$ or US-6281547-\$ or		
	US-6262453-\$ or US-6239466-\$ or	1	
ļ	US-6239463-\$ or US-6188104-\$ or		
	US-6172398-\$ or US-6150693-\$ or		
	US-6107661-\$ or US-5986304-\$ or		
	US-5981999-\$ or US-5973361-\$ or		
	US-5929481-\$ or US-5910669-\$ or		
	US-5877528-\$ or US-5866931-\$ or		
	US-5821583-\$ or US-5808340-\$ or US-5770878-\$ or US-5763915-\$ or		
	US-5747851-\$ or US-6657256-\$ or		,
	US-6657255-\$ or US-6649477-\$).did. or		
	(US-6627950-\$).did. or (US-20030040144-\$		
	or US-20030001199-\$ or US-20020195657-\$ or		
	US-20020175367-\$ or US-20030173619-\$ or		
	US-20030168696-\$ or US-20030122189-\$ or		
	US-20030122188-\$ or US-20020140027-\$ or		
	US-20020125527-\$ or US-20020093048-\$ or US-20020030224-\$ or US-20020019099-\$ or		
	US-20020030224-\$ Of US-20020013033 \$ Of US-20020008281-\$ or US-20010028085-\$ or		
	US-20010023961-\$ or US-20010003367-\$).did.		
	or (EP-580452-\$ or EP-580213-\$ or		
	EP-342952-\$ or WO-3038863-\$ or		
	EP-1191603-\$ or WO-9912213-\$ or		
	DE-19742181-\$ or WO-9804004-\$ or		
	WO-9742663-\$ or WO-9733320-\$ or WO-9707548-\$ or WO-9635231-\$ or		
	EP-583023-\$).did. or (JP-2003158268-\$ or		
	JP-2003060205-\$ or JP-2003060204-\$ or		
	JP-2002217426-\$ or JP-2002043570-\$ or		
	JP-11026605-\$ or JP-10294463-\$ or		
	JP-08298321-\$ or JP-08097411-\$ or		
	JP-06334184-\$ or JP-06151845-\$ or		
	JP-06151740-\$ or JP-03035534-\$ or		
	JP-02249277-\$ or JP-02249276-\$ or JP-02150057-\$ or JP-63281468-\$).did. or		
	(US-5929481-\$ or US-5668026-\$ or		
	US-5821583-\$ or KR-97030508-\$ or		
	TW-308735-\$ or JP-09148578-\$ or		
	JP-09097907-\$ or WO-9707548-\$ or		
	US-5629543-\$ or TW-297929-\$ or		
	US-5665619-\$ or US-5567634-\$ or		
	EP-721211-\$ or US-5474943-\$ or		
	US-5410170-\$ or EP-616372-\$ or JP-06151740-\$ or US-5298442-\$ or		
	EP-583023-\$ or EP-580452-\$ or EP-580213-\$		
	or US-5268326-\$ or US-5156993-\$ or		
	US-5034785-\$ or US-4983535-\$ or		
	EP-398468-\$).did. or (RD-314077-\$ or		
	US-4914058-\$ or DE-3916707-\$ or		
	US-4893160-\$ or EP-342952-\$ or EP-328331-\$		
	or RD-300060-\$ or RD-297008-\$ or		
arch History	3/FP-255973 \$ or EP-238749-\$ or EP-227894-\$ or EP-209949-\$ or US-4561168-\$ or		
\EAST 09 A\09	9663340545119996-\$ or US-20020013029-\$ or		
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_	2	jp-07235672\$-\$.did.	USPAT;	2003/12/29 21:02
			US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM TDB	
l _	2	jp-09270512\$-\$.did.	USPAT;	2003/12/29 21:03
	2]p 052705124 4:414.	US-PGPUB;	2000, 22, 23 22.03
			EPO; JPO;	
	:			
			DERWENT;	
			IBM_TDB	0000/10/00 01 05
_	2	jp-10150191\$-\$.did.	USPAT;	2003/12/29 21:05
			US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM TDB	
-	10	jp-6350071\$-\$.did.	USPĀT;	2003/12/29 21:06
			US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
:			IBM TDB	
_		jp-6350071\$-\$.did. and kawashima.in.	USPAT;	2003/12/29 21:05
		Jp 00000719 9.010. and nawasiiima.iii.	US-PGPUB;	1 2003/12/29 21.03
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	2002/10/02 03 05
_	2	jp-63050071\$-\$.did.	USPAT;	2003/12/29 21:06
]		US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
-	5	158637.ap.	USPAT;	2003/12/30 09:21
•			US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM TDB	
_	4	948930.ap.	USPAT;	2003/12/30 09:21
]	•	US-PGPUB;	
		•	EPO; JPO;	
			DERWENT;	
			IBM TDB	
_	3349	((257/327) or (257/328) or (257/329) or	USPAT;	2004/01/09 17:30
		(257/327) Of (237/328) Of (237/323) Of (257/331) or (257/341) or	US-PGPUB	2001,01,05 1,130
1		(257/330) Of (257/331) Of (257/341) Of (257/342) or (257/401) or (257/491) or		
1				
	2400	(257/492) or (257/335)).CCLS.	I II C D A TO	2004/01/00 17-21
-	3400		USPAT;	2004/01/09 17:31
]	(257/330) or (257/331) or (257/341) or	US-PGPUB	
		(257/342) or (257/401) or (257/491) or		
		(257/492) or (257/493) or (257/335)).CCLS.		0004/07/00 15 5:
-	1033		USPAT;	2004/01/09 17:34
		(257/330) or (257/331) or (257/341) or	US-PGPUB;	
		(257/342) or (257/401) or (257/491) or	EPO; JPO;	
		(257/492) or (257/493) or	DERWENT;	
		(257/335)).CCLS.) and (trench	IBM_TDB	
		groove).ti,ab,clm.		